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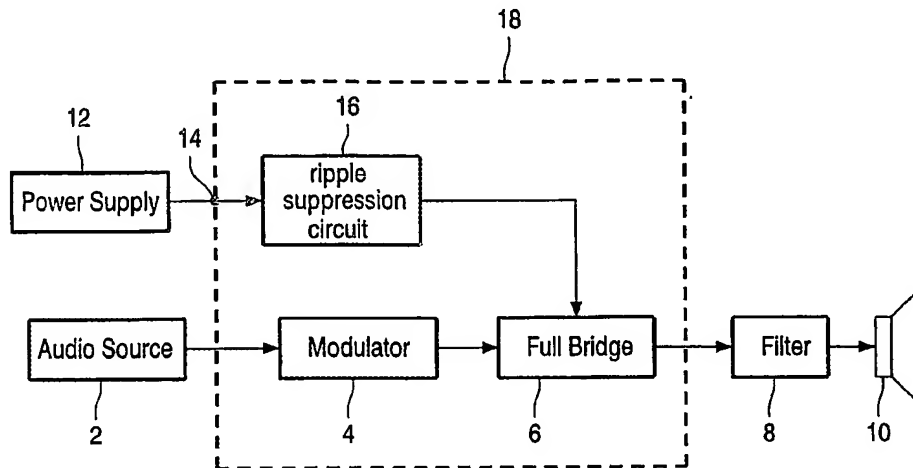
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(54) Title: DIGITAL AMPLIFIER



(57) Abstract: Recently, the use of class - D audio amplifiers has become more and more widespread. In contrast to the generally employed class - AB linear amplification technology, class - D allows for improved efficiency. However, the class - D principle is known for its poor distortion characteristics. According to the present invention a digital amplifier (18) is provided for converting an audio signal to a power output, comprising a ripple suppression circuit (16) for suppressing voltage ripples in a supply voltage supplied to the bridge circuit with (6) at least one pair of switches. The ripple suppression circuit (16) suppresses ripples in the supply voltage supplied to a switch in the bridge circuit (6), which has been found to cause a major part of the distortions in the output signal of the digital amplifier (18).

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